

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

- (i. APPLICANT: Hartley, James L.
- (iii TITLE OF INVENTION: Nucleic Acid Marker Ladder For Estimating Mass
- (iii NUMBER OF SEQUENCES: 12
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Sterne, Kessler, Goldstein & Fox
  - (B) STREET: 1100 New York Avenue, Suite 600
  - (C) CITY: Washington
  - (D) STATE: D.C.
  - (E) COUNTRY: USA
  - (F) ZIP: 20005
- COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 09/114,911
  - (B) FILING DATE: 14-JUL-1998
  - (C) CLASSIFICATION:
- (vii PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/893,523
  - (B) FILING DATE: 11-JUL-1997
- (vii PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/142,124
  - (B) FILING DATE: 28-OCT-1993
- (viii ATTORNEY/AGENT INFORMATION:
  - (A) NAME: McPhail, Donald R.
  - (B) REGISTRATION NUMBER: 35,811
  - (C) REFERENCE/DOCKET NUMBER: 0942.2570002
  - (ix Telecommunication information:
    - (A) TELEPHONE: (202) 371-2600
    - (B) TELEFAX: (202) 371-2540
- (2) INFORMATION FOR SEQ ID NO:1:
  - ( SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 41 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:	
AUCUGRCCUC AUAATTTACG GAAGCATAAA GTGTAAAGCC T	41
(2) INFORMATION FOR SEQ ID NO:2:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 38 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
AGUCACAGCU AUAATATTGG AAATGTGCGC GGAACCCC	38
(2) INFORMATION FOR SEQ ID NO:3:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 41 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:	
AUAGCUGUGA CUAATTTACT AGTGAATCCA CAGAAACTAG C	41
(2) INFORMATION FOR SEQ ID NO:4:	
(A) LENGTH: 41 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	
ACAUCUGGAC UUAATATTAG ACATATTGAT AAGGTGGCGA G	41
(2) INFORMATION FOR SEQ ID NO:5:	
<ul> <li>i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 41 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>	



	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
AAGU	JCCAGAU GUAATTTAGG GACAGTTTGG CAAGGTTTTT A	41
(2)	INFORMATION FOR SEQ ID NO:6:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 42 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
AUGA	AGGUCAG AUAATATTTA AGCCTTTTTG ATGTTCATCA GG	42
(2)	INFORMATION FOR SEQ ID NO:7:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 34 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: both  (D) TOPOLOGY: both	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
TTC	BAAGCGG CCGGTAATGA ATCGGCCAAC GCGC	34
(2)	INFORMATION FOR SEQ ID NO:8:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 26 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: both  (D) TOPOLOGY: both	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
GCGC	CGCGACG TCAGGTGGCA CTTTTC	26
(2)	INFORMATION FOR SEQ ID NO:9:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 36 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: both</li> <li>(D) TOPOLOGY: both</li> </ul>	

ATCGATGTTG CCCAGACTCG TTAAGC



(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
ACGCGTGCGG CCGCGGTTGC TGACTAATTG AGATGC	36
(2) INFORMATION FOR SEQ ID NO:10:	36
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 26 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: both</li> <li>(D) TOPOLOGY: both</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
GGATCCGTGA GGTGAGCCTA GGAATG	26
(2) INFORMATION FOR SEQ ID NO:11:	20
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 34 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: both</li> <li>(D) TOPOLOGY: both</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
AGATCTGCGG CCGCGGTCTT GTCATTATCA CCGG	34
(2) INFORMATION FOR SEQ ID NO:12:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 26 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: both</li> <li>(D) TOPOLOGY: both</li> </ul>	
(Vi) CEOUTING PROPERTY	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	